IHCAb™ Postmeiotic Segregation Increased 2 (PMS2) mouse mAb (PT2116)

Cat #: B-IMW4296

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The protein encoded by this gene is a key component of the mismatch repair system that functions to correct DNA mismatches and small insertions and deletions that can occur during DNA replication and homologous recombination. This protein forms heterodimers with the gene product of the mutL homolog 1 (MLH1) gene to form the MutL-alpha heterodimer. The MutL-alpha heterodimer possesses an endonucleolytic activity that is activated following recognition of mismatches and insertion/deletion loops by the MutS-alpha and MutS-beta heterodimers, and is necessary for removal of the mismatched DNA. There is a DQHA(X)2E(X)4E motif found at the C-terminus of the protein encoded by this gene that forms part of the active site of the nuclease. Mutations in this gene have been associated with hereditary nonpolyposis colorectal cancer (HNPCC; also known as Lynch syndrome) and Turcot syndrome.

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse,Monoclonal

Specificity: This antibody detects endogenous levels of Postmeiotic Segregation Increased 2(PMS2) at Human

Subcellular Location: Nucleus

Expression: Amygdala,Brain,Endometrial tumor,Epithelium,Human endometri

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.151% sodium azide

Storage: Store at -15°C to -25°C

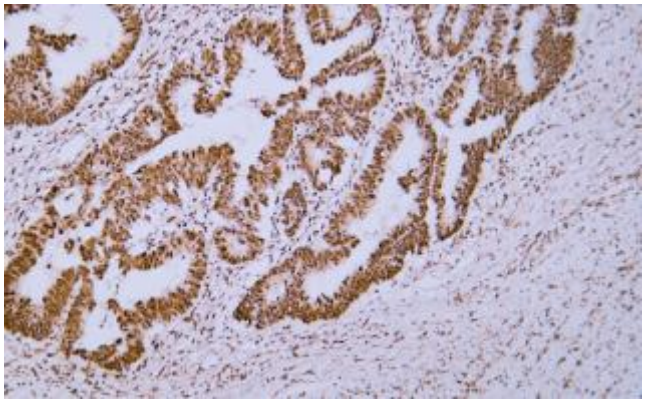

Fig. Human colon carcinoma tissue was stained with Anti-PMS2 Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.